





Large Enterprise Data Center Firewall Solution Comparison Guide

Large Enterprise Data Center Firewall Solutions	Relevant Products/ Modules	Pricing	Max Virtual Domains/ Systems	Data Center Firewall (Gbps) Throughput	IPsec VPN (Gbps) Throughput	Anti-Malware (Gbps)	IPS (Gbps)	Concurrent Sessions	Connections/ sec	1GbE Ports	10G/40G/ 100G Ports	IPv6 Data Center Firewall Performance
	FortiGate 3700D	\$\$\$	500	160 Gbps	100 Gbps	7.5 Gbps / 18 Gbps ¹	23 Gbps	50 million	400,000	None	28-port 10GbE SFP+, 4-port 40 GbE QSFP+	Parity with IPv4
	ASA5585X w/ SSP60	\$\$\$\$	250	40 Gbps	5 Gbps	Vendor Does Not Disclose	10 Gbps ²	10 million	350,000	6x 1GbE	4-port 10GbE SFP+	IPv6 supported
	SRX3600	\$\$\$\$	32	55 Gbps	15 Gbps	4.5 Gbps	15 Gbps	6 million ³	270,000 ³	16x 1GbE, 16x 1GbE SFP	2x 10GbE XFP	IPv6 supported
 Check Point SOFTWARE TECHNOLOGIES LTD.	CHKP 21700 W/SAM	\$\$\$	250	110 Gbps	50 Gbps	Vendor Does Not Disclose	8 Gbps	13 million ⁴	300,000	12x 1GbE, 37 1GbE Base-T RJ45 ports	1x 10GbE sync port, up to 13 x 10GBase-F SFP+ ports	IPv6 supported

FEATURE

DEFINITIONS

Default/Max Virtual Domains/ System

The default and maximum supported number of virtual domains or virtual systems, in which a custom virtual user-specific or group-specific environment with its own dedicated resources and policies can be created and separately administered.

Data Center Firewall Throughput

The overall rate of data transmission supported by the firewall.

VPN Throughput

The rate of data transmission supported for a VPN session.

Anti-Malware

The rate of data transmission supported for Anti-Malware services including anti-virus, anti-spyware, anti-spam, anti-phishing and other threat management systems designed to fuard a network against malicious Internet threats.

IPS

Intrusion Prevention Systems (IPS) screen network traffic flows to identify and prevent vulnerability exploits.

10G/40G/100G Ports

Network ports supporting data transmission rates of 10, 40, and 100 gigabits per second.

1GbE Ports

Network ports supporting data transmission rates of 1 gigabit per second (1Gbps) over Ethernet.

IPv6 Data Center Firewall Performance

Overall strength of network performance in terms of successful packet transmission and rate of throughput using the IPv6 standard.

Footnotes:

- 1 7.5 Gbps proxy-based, 18 Gbps flow-based
- 2 With optional IPS SSP-60 module.
- 3 Additional Extreme licenses are required for 3 million and 6 million sessions.
- 4 Additional Extreme licenses are required for 270,000 connections/second.
- 5 6 million concurrent sessions come standard, 13 million are available with the GAiA OS and memory upgrade.

\$: < \$50,000

\$\$: between \$50,000 and \$100,000

\$\$\$: between \$100,000 and \$200,000

\$\$\$\$: > \$200,000

Note: 3-year support (24x7) support for the FortiGate 3700D is priced at \$63,220. Potential buyers seriously considering the Cisco, Juniper and CheckPoint product lines should contact the manufacturers or their sales partners directly for detailed pricing information..